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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/792,238	03/02/2004	Kevin M. Lewandowski	59520US002	4771	
32692	7590 11/17/2005		EXAMINER		
01/12 11 (1) (ATIVE PROPERTIE	YEBASSA, DESTA LETTA			
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DATE MAILED: 11/17/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

-		Application No.	Applicant(s)					
		10/792,238	LEWANDOWSKI	LEWANDOWSKI ET AL.				
Office Action Summ	ary	Examiner	Art Unit					
<u> </u>		Desta L. Yebassa	1615					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).								
Status								
1) Responsive to communicatio	n(s) filed on							
2a) This action is FINAL .		ction is non-final.						
′ ≡ ·	• —		atters, prosecution as to the	e merits is				
	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims								
· <u> </u>	in the application							
	4) Claim(s) 1-31 is/are pending in the application.							
<u> </u>	4a) Of the above claim(s) is/are withdrawn from consideration.							
6) Claim(s) 1-31 is/are rejected.	5) Claim(s) is/are allowed.							
7) Claim(s) is/are objected.	d to							
		laction requirement						
8) Claim(s) are subject to restriction and/or election requirement.								
Application Papers								
9) The specification is objected to by the Examiner.								
10) The drawing(s) filed on is/are: a) □ accepted or b) □ objected to by the Examiner.								
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).								
Replacement drawing sheet(s) in	ncluding the correction	n is required if the drawi	ng(s) is objected to. See 37 Cl	FR 1.121(d).				
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority under 35 U.S.C. § 119								
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 								
 Copies of the certified application from the Int 	copies of the priority ernational Bureau (y documents have be PCT Rule 17.2(a)).	en received in this National	.Stage				
* See the attached detailed Offic	e action for a list of	the certified copies r	ot received.					
Attachment(s)								
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)								
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date Notice of Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 08/22/2005, 07 (25) (20), 06 (7) (36) (4.80).								

DETAILED ACTION

Acknowledgment is made for the information disclosure statement (IDS) filed on 08/30/2004, 06/17/2005. 07/25/2005. and 08/22/2005. Receipt is also acknowledged of the oath or declaration filed on 03/02/2004.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

- 1. Determining the scope and contents of the prior art.
- 2. Ascertaining the differences between the prior art and the claims at issue.
- 3. Resolving the level of ordinary skill in the pertinent art.
- 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

Claims 1-31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Antonelli et al. (U.S. Patent No. 5,773,534) In view of Berge et al. (U.S. Patent No. 5,362,826), Bartkovitz et al. (U.S. Patent No. 4,394,493), and Reed et al. (U.S. Patent No. 5,653,699).

Antonelli et al. disclose a method of polymerization to obtain a wide variety of crosslinkable polymers or copolymers by using variety of monomer species, some of which carry functional groups to provide crosslinking sites such as ethylene, propylene. butadiene, vinyl chloride, vinyl ether, tetrafluoroethane, styrene, acrylic or methacrylic acids, or their esters or amides, carboxylic acid or amide, moiety selected from epoxy. hydroxyl, isocyanate, amino, cyano, and the like (column 2, lines 45-65 and column 3, lines 1-10); suitable macromonomers are dimers, trimers, tetramers, and higher oligomers of monomers, comprising branched, unbranched, or cyclical methacrylates such as methyl, ethyl, propyl, butyl, hydroxyethyl or hydroxypropyl methacrylate methacrylic acid and the like (column 5, lines 40-45). Antonelli et al. also teaches polymerization process that produce crosslinkable polymers may be occurs such as in suspension, emulsion, or solution, in aqueous or organic media (column 8, lines 10); polymerization initiators that may be redox or thermally or photochemically induced, for example, azo, peroxide, peroxyester, or persulfate; suitable reactive functional groups such as OH, COOH, epoxy, silyl, a mino, amide, anhydride, isocyanato, cyano, halo and the like; the usage of crosslinkable polymer products in variety of applications in cluding curable binders, in coating, crosslinkers, pigment dispersants, and adhesives (column 9, lines 50-65).

Bartkovitz et al. teaches crosslinkable copolymers of poly(oxyethylene which comprise a substituted N-methylol derivative of acrylamide grafted onto a poly(oxyethylene)-copolymer (abstract); the preparation of poly(oxyalkylene) compounds that involves the reaction of alkylene oxideor mixtures of alkylene oxides

with an aliphatic compound which may be saturated or contain some aliphatic unsaturation, having many active hydrogen atoms, such as water, monohydroxylic alcohols, such as xethanol, propanol, and alkyl alcohol, the poly(alkylene) products of such reaction which include linear or branched oxyalkylene or mixed oxyalkylene chains (column 3, 5-65).

Berge et al. teaches macromonomers comprises monomeric units such as methacrylates, methacrylonitrile, maleic anhydride, fumarate derivatives may be such as fumaronitrile, vinyl esters and acetates, metacrylic acid, and alkyl, glycidyl, hydroxyalkyl and the like (column 2, lines 55-65 and column 3, lines 5-40); preferred class of oligomeric chain transfer agent used in the composition such as –CONR2, – COOR, unsubstituted or substituted phenyl, aryl, halo, or cyano, dimmers, trimers, tetramers, and higher oligomers of monomers and mixtures thereof; oligomers comprising branched, unbranched, cyclical, alkyl, or aromatic, methacrylates; degree of polymerization oligomeric chain transfer agent i.e., DP is 2 to 100, macromolecules or polymers or copolymers made by such polymerization have wide utility, especially for use in coating, (particularly high performance coating such as automotive finishes, and industrial maintenance coatings), inks, adhesives and the like (column 7, lines 15-45).

Reed et al. teaches a sheet-form composite such as a hydrophilic, monolithic film layer, characterized by having a differential ratio of wet to dry moisture transport rate, suitable as spyrosorbent wound dressing, and the film layer is laminated to a hydrophilic exudates transport layer (Abstract); the exudates transport layer can be comprised of absorptive materials: hydrocolloids, gels, hydrogels, foams, textiles, (woven or

unwoven)membranes, and hydrophilic adhesives (Column 6, lines 50-55). Reed et al. also disclose suitable hydrocolloids such as natural gums, gum Arabic, plant seed gums, agar, alginate salts, modified starches, modified celluloses such as hydroxymethylcellulose, microcrystalline cellulose, carboxymethylcellulose and the like (column 12, lines 25-35).

The primary reference, Antonelli et al., teaches a method of polymerization to obtain a wide variety of crosslinkable polymers or copolymers by using variety of monomer species, some of which carry functional groups to provide crosslinking sites such as ethylene, propylene, butadiene, vinyl chloride, vinyl ether, tetrafluoroethane, styrene, acrylic or methacrylic acids, or their esters or amides, carboxylic acid or amide, moiety selected from epoxy, hydroxyl, isocyanate, amino, cyano, and the like; suitable macromonomers such as dimers, trimers, tetramers, and higher oligomers of monomers, comprising branched, unbranched, or cyclical methacrylates such as methyl, ethyl, propyl, butyl, hydroxyethyl or hydroxypropyl methacrylate methacrylic acid: polymerization process that may produce crosslinkable polymers such as suspension, emulsion, or solution, in aqueous or organic media; polymerization initiators that may be redox or thermally or photochemically induced, for example, azo, peroxide, peroxyester, or persulfate; suitable reactive functional groups such as OH, COOH, epoxy, silyl, amino, amide, anhydride, isocyanato, cyano, halo and the like; and the usage of crosslinkable polymer products in variety of applications that include binders, in coating, crosslinkers, pigment dispersants, and adhesives. The secondary references, teach crosslinkable copolymers of poly(oxyethylene which comprise a

substituted N-methylol derivative of acrylamide grafted onto a poly(oxyethylene)copolymer; the preparation of poly(oxyalkylene) compounds that involves the reaction of alkylene oxide or mixtures of alkylene oxides with an aliphatic compound which may be saturated or contain some aliphatic unsaturation, having many active hydrogen atoms. such as water, monohydroxylic alcohols, such as ethanol, propanol, and alkyl alcohol: the poly(alkylene) products of such reaction which include linear or branched oxyalkylene or mixed oxyalkylene chains; macromonomers comprises monomeric units such as methacrylates, methacrylonitrile, maleic anhydride, fumarate derivatives such as fumaronitrile, preferred class of oligomeric chain transfer agent used in the composition such as -CONR2, -COOR, unsubstituted or substituted phenyl, aryl, halo. or cyano, and higher oligomers of monomers, branched, unbranched, cyclical, alkyl, or aromatic, methacrylates; a sheet-form composite that include hydrophilic, monolithic film layer characterized by having a differential ratio of wet to dry moisture transport rate. suitable as spyrosorbent wound dressing, the exudates transport layer comprised of absorptive materials: hydrocolloids, gels, hydrogels, foams, textiles, (woven or unwoven), membranes, and hydrophilic adhesives.

The prior art recited as combined teach all the limitations of the instant claims. The instant claims differ from the references only in the specific parts by weight of polymerized monomerunits, oligomer component, and crosslinking agent selected for the compositions. However, It would have been deemed prima Facie obvious to one having ordinary skill in the art at the time of the invention to select any of the crosslinkable polymers or copolymers such as poly(oxyethylene), poly(oxyethylene)-

copolymer; water, monohydroxylic alcohols, such as ethanol, propanol, and alkyl alcohol; ethylene, propylene, butadiene, vinyl chloride, vinyl ether, tetrafluoroethane styrene, acrylic or methacrylic acids, or their esters or amides, carboxylic acid or amide. moiety selected from epoxy, hydroxyl, isocyanate, amino, cyano, and the like; higher oligomers of monomers, comprising branched, unbranched, or cyclical methacrylates such as methyl, ethyl, propyl, butyl, hydroxyethyl or hydroxypropyl methacrylate methacrylic acid; suitable reactive functional groups such as OH, COOH, epoxy, silyl, amino, amide, anhydride, isocyanato, cyano, halo and the like; monomeric units such as methacrylates, methacrylonitrile, maleic anhydride, fumarate derivatives such as fumaronitrile, preferred class of oligomeric chain transfer agent used in the composition such as -CONR2, -COOR, unsubstituted or substituted phenyl, aryl, halo, or cyano, and higher oligomers of monomers, branched, unbranched, cyclical, alkyl, or aromatic, methacrylates etc. to prepare crosslinkable hydrophilic materials that can be useful in medical articles and wound dressing because the determination of a specific parts by weight of polymerized monomer units, oligomer component, and crosslinking agents having the optimum therapeutic effect is well within the level of one having ordinary skill in the art, and the artisan would be motivated to determine optimum amounts to get the maximum effect of the compositions. Therefore, the invention as whole has been prima face obvious to one of ordinary skill in the art at the time the invention was made.

Application/Control Number: 10/792,238

Art Unit: 1615

Telephonic Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Desta L. Yebassa whose telephone number is 571-272-8511. The examiner can normally be reached on Monday to Friday 8.00 am –6.00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thurman K. Page can be reached on 571-272-0602. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Desta L. Yebassa, PhD Patent Examiner Art Unit 1615 THURMAN K. PAGE SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 1600

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